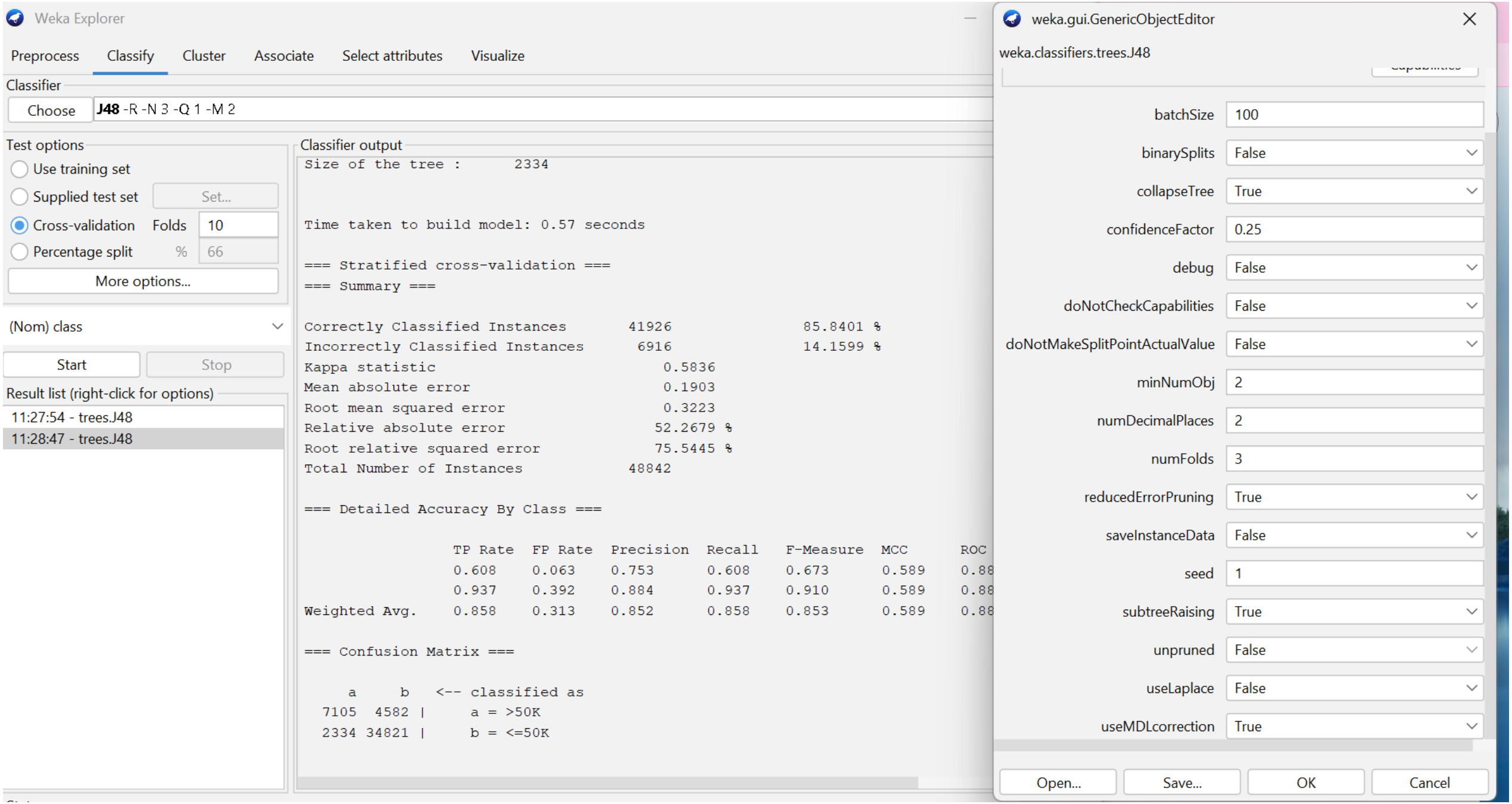
Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Classifier
Choose
J48 -R -N 3 -Q 1 -M 2
Test options
Use training set
Supplied test set
Set...
Cross-validation
Folds
10
Percentage split
%
66
More options...
(Nom) class
Start
Stop
Result list (right-click for options)
11:27:54 - trees.J48
11:28:47 - trees.J48
Classifier output
Size of the tree : 2334
Time taken to build model: 0.57 seconds
=== Stratified cross-validation ===
=== Summary ===
Correctly Classified Instances 41926 85.8401 %
Incorrectly Classified Instances 6916 14.1599 %
Kappa statistic 0.5836
Mean absolute error 0.1903
Root mean squared error 0.3223
Relative absolute error 52.2679 %
Root relative squared error 75.5445 %
Total Number of Instances 48842
=== Detailed Accuracy By Class ===
TP Rate FP Rate Precision Recall F-Measure MCC ROC
0.608 0.063 0.753 0.608 0.673 0.589 0.88
0.937 0.392 0.884 0.937 0.910 0.589 0.88
Weighted Avg. 0.858 0.313 0.852 0.858 0.853 0.589 0.88
=== Confusion Matrix ===
a b <-- classified as
7105 4582 | a = >50K
2334 34821 | b = <=50K
weka.gui.GenericObjectEditor
weka.classifiers.trees.J48
batchSize 100
binarySplits False
collapseTree True
confidenceFactor 0.25
debug False
doNotCheckCapabilities False
doNotMakeSplitPointActualValue False
minNumObj 2
numDecimalPlaces 2
numFolds 3
reducedErrorPruning True
saveInstanceData False
seed 1
subtreeRaising True
unpruned False
useLaplace False
useMDLcorrection True
Open...
Save...
OK
Cancel

Preprocess | Classify | Cluster | Associate | Select attributes | Visualize

Classifier

Choose **J48** -U -M 2

Test options

- Use training set
- Supplied test set — Set...
- Cross-validation — Folds 10
- Percentage split — % 66

More options...

(Nom) class

Start | Stop

Result list (right-click for options)

- 11:27:54 - trees.J48
- 11:28:47 - trees.J48
- 11:34:51 - trees.J48
- 11:35:15 - trees.J48

Classifier output

```
Time taken to build model: 0.9 seconds

=== Stratified cross-validation ===
=== Summary ===

Correctly Classified Instances       41390               84.7426 %
Incorrectly Classified Instances      7452               15.2574 %
Kappa statistic                          0.5665
Mean absolute error                      0.1838
Root mean squared error                  0.3397
Relative absolute error                 50.4937 %
Root relative squared error             79.6315 %
Total Number of Instances            48842

=== Detailed Accuracy By Class ===

                 TP Rate  FP Rate  Precision  Recall   F-Measure  MCC      ROC A
                 0.633    0.085    0.701      0.633    0.665      0.568    0.861
                 0.915    0.367    0.888      0.915    0.901      0.568    0.861
Weighted Avg.    0.847    0.300    0.843      0.847    0.845      0.568    0.861

=== Confusion Matrix ===

     a     b   <-- classified as
  7395  4292 |     a = >50K
  3160 33995 |     b = <=50K
```

weka.classifiers.trees.J48

About

Class for generating a pruned or unpruned C4.

More | Capabilities

batchSize	100
binarySplits	False
collapseTree	True
confidenceFactor	0.25
debug	False
doNotCheckCapabilities	False
doNotMakeSplitPointActualValue	False
minNumObj	2
numDecimalPlaces	2
numFolds	3
reducedErrorPruning	False
saveInstanceData	False
seed	1
subtreeRaising	True
unpruned	True
useLaplace	False
useMDLcorrection	True